

a first and a second socket, each having two alarm connections and two power connections;

a voltage source electrically connected to one of the alarm connections of the first and second sockets;

a first circuit breaker positioned in the first socket, the first circuit breaker electrically interconnecting the two power connections when in a non-tripped state and electrically interconnecting the two alarm connections when in a tripped state;

a second circuit breaker positioned in the second socket, the second circuit breaker electrically interconnecting the two power connections when in a non-tripped state and electrically interconnecting the alarm connections when in a tripped state;

a first conductive path extending from the alarm connection of the first socket not connected to the voltage source; and

a second conductive path extending from the alarm connection of the second socket not connected to the voltage source;

a third conductive path extending from the alarm connection of the first socket not connected to the voltage source; and

a fourth conductive path extending from the alarm connection of the second socket not connected to the voltage source.

Marked Version

(Amended) 43. A power distribution bus alarm circuit, comprising:

a first and a second socket, each having two alarm connections and two power connections;

a voltage source electrically connected to one of the alarm connections of the first and second sockets;

a first circuit breaker positioned in the first socket, the first circuit breaker electrically interconnecting the two power connections when in a non-tripped state and electrically interconnecting the two alarm connections when in a tripped state;

a second circuit breaker positioned in the second socket, the second circuit breaker electrically interconnecting the two power connections when in a non-tripped state and electrically interconnecting the alarm connections when in a tripped state;

a first conductive path extending from the alarm connection of the first socket not connected to the voltage source; and

a second conductive path extending from the alarm connection of the second socket not connected to the voltage source;

a third conductive path extending from the alarm connection of the first socket not connected to the voltage source; and

a fourth conductive path extending from the alarm connection of the second socket not connected to the voltage source.

Clean Version

(Amended) 45. The power distribution bus alarm circuit of claim 43, further comprising:

a first alarm circuit linked to the alarm connection of the first socket through the third conductive path, the first alarm circuit being responsive to a voltage being applied across the alarm connections of the first socket; and

 a second alarm circuit linked to the alarm connections of the second socket through the fourth conductive path, the second alarm circuit being responsive to a voltage being applied across the alarm connections of the second socket.

Marked Version

(Amended) 45. The power distribution bus alarm circuit of claim 43, further comprising:

a first alarm circuit linked to the alarm connection of the first socket through the [first] third conductive path, the first alarm circuit being responsive to a voltage being applied across the alarm connections of the first socket; and

a second alarm circuit linked to the alarm connections of the second socket through the [second] fourth conductive path, the second alarm circuit being responsive to a voltage being applied across the alarm connections of the second socket.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,

MERCHANT & GOULD
P.O. Box 2903
Minneapolis, Minnesota 55402
404.954.5040

Date: July 18, 2002



Jeramie J. Keys
Reg. No. 42,724

